PTO/S8/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

524941/0023

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number Complete if Known Substitute for form 1449A/PTO Application Number Not Yet Assigned Filing Date INFORMATION DISCLOSURE Concurrently Herewith (12/8/2003) First Named Inventor STATEMENT BY APPLICANT Akira Ichihashi, et al. Art Unit Not Yet Assigned Examiner Name Not-Yet Assigned (Use as many sheets as necessar) Attorney Docket Number

Examiner	Cite	Document Number	U. S. PATENT D Publication Date	Name of Patentee or	Conce Calumna Lines Mana
Initials*	No.1	Number-Kind Code ^{2 (f known)}	WW-DD-AKAA	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			i iguico Appear
	-	US-			
		US-			
		US-	<u> </u>	· · · · · · · · · · · · · · · · · · ·	
		US-			
******		US-			
		US-			
		US-			· · · · · · · · · · · · · · · · · · ·
		US-			
· · · · · · · · · · · · · · · · · · ·		US-			
		US-	1		
		US-	/ _	<u> </u>	
,		US-			***************************************
		UŞ-	/		
		US-			
		US-			
		US-			
		US-	<u> </u>	<u> </u>	

	FOREIGN PATENT DOCUMENTS									
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines,					
Initials*	No.1	Country Code ³ Number ⁴ Kind Code ⁵ (# known)	MM-DD-YYYY		Where Relevant Passages or Relevant Figures Appear					
W		JP-11-170558-A	06-29-1999	Seiko Epson Corp.	(complete)	X				
71										
		•			94 1771 1330171 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					

					, , , , , , , , , , , , , , , , , , ,					

Examiner Cate Considered Signature

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not the conformance and not considered. Include copy of this form with next communication to applicant, 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the senal number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached

Transation is autoneo.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Complete if Known

Approved for use through 07/31/2006, OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE respond to a collection of information unless it contains a valid OMB control number.

bstitute for form 1449A/PTO

Application Number Filing Date First Named Inventor

10/730,784 December 8, 2003

Akira Ichihashi, et al.

Art Unit

Examiner Name

Attorney Docket Number

Not Yet Known 524941/0023

(Use as many sheets as necessary)

Sheet

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

Examiner	Cite	Document Number	U. S. PATENT D Publication Date	Name of Patentee or	Pages, Columns, Lines, Where	
nitials*	No.1		MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant	
		Number-Kind Code ^{2 (8 known)}			Figures Appear	
		US-				
		US-				
		US-		***************************************)	
		US-				
		US-				
		US-				
		Us-			*	
		Us-			· · · · · · · · · · · · · · · · · · ·	
		US-				
		US-				
		US-				
		US-				
		US-	/			
		US-	1			
	<u> </u>	US-			-	
		US-				
	 	US-		***************************************	**************************************	
		US-	······································			

		FOREIGN	N PATENT DOCL	JMENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	₽¢
A	r	EP-1 258 359-A1	11-20-2002	Seiko Epson Corp.	(Engl. Orig.)	
m		JP-2002-2-5413-A	07-23-2002	Seiko Epson Corp.	(w/ Engl. Abstr.)	
						Γ

Examiner	0.11/	Date	1/2
Signature	$+ h h \lambda h o$	Considered	06/127

*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not/in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.nov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO					Complete if Known			
					Application Number	10/730,784		
INFO	RMATION D)IS	CLC	SURE	Filing Date	December 8, 2003		
STATEMENT BY APPLICANT					First Named Inventor	Akira Ichihashi, et al.		
					Art Unit	2853 28 61		
	(Use as many sheets	es ne	cessar	y)	Examiner Name	Not Yet Known Antilo		
Sheet 2 of 2				2	Attorney Docket Number	524941/0023		

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	L ₅			
AV	/***********	European Search Report (March 22, 2004)				

			<u> </u>			

Examiner Signature	AnhVo	Date Considered	06	MI	
				/ 🗸 🗸	

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.